CONTENTS OF VOLUME XXXVI.

APRIL, 1900, TO SEPTEMBER, 1900.

ADVENTURE. PAGE

A Winter Ascent of Tahawus. Illustrated from Photos by the Author.....C. Grant La Forge, 69
A Shot-Gun Episode. Illustrated by the Author.....Frederic Remington, 117
The Professor's Scar. Illustrated by James L. Weston.....Paul Leland Haworth, 161
Twenty-Four Hours in the Ropes. (An Ascent of the Matterhorn.).....Charles W. Hodell, 290
Illustrated from Photos.
Man-Hunting in the Pound. (A Personal Experience in Kentucky Border Life.)....John Fox, Jr., 345
Alpine Accidents. (A Lesson in Possible Dangers.) Illustrated from Photos.....Francis Gribble, 603
A Camel Hunt in Arizona.....Langdon Ballinger, 656

ANGLING.

Trailing the Sea-Bat. Illustrated by James L. Weston.....Charles F. Holder, LL.D., 22
The Luck of Shadow Brook. Illustrated by James L. Weston.....L. C. Howe, 62
Salmon Trouts and Charrs. (Their Range and Lures.).....W. C. Harris, 76
An Evened Score. Illustrated by James L. Weston.....E. W. Sandys, 139
The Charr Trouts of American Waters. (Their Range and Lures.).....W. C. Harris, 157
The Laws and Open Seasons of the U. S. A..... 221
Evolution of the Trout and Artificial Fly.....Harry Gove, M.D., 242
Illustrated from Sketches by the Author.
The Water Wolf. (Muscallonge in June.).....C. S. Thompson, 264
A Bit About Bass. Illustrated by James L. Weston.....E. W. Sandys, 268
Practical Fly Casting. With Diagrams by the Author.....John Harrington Keene, 367
Salmon Angling, A Few Remarks on.....Dean Sage, 389
The Phantom Loon of Louis Lake. (A Trouting Interlude.).....Frank H. Risteen, 507
The Leaping Mullet. (A True Fish Story.).....Lynn Roby Meekins, 551
My First Land-Locked Salmon.....Carrie Foote Weeks, 618
How a Trout Broke a Friendship.....Frederic Remington, 651
Notes of the Month.....(May) 219, (June) 332, (July) 448, (August) 573, (September) 701

ATHLETICS.

Athletic Development in France. Illustrated from Photos.....Caspar Whitney, 178
The University Social Problem. (Its Relations to Undergraduate Athletics.—A Symposium of University Opinion.) .....C. M. Flandrau, Harvard, ...Walter Camp, Yale, Charles I. McKeehan, Pennsylvania, ...H. L. White, Cornell, ...James A. Le Roy, Michigan, 190
By-Gone International Athletic Contests. (What Americans Have Accomplished.)
Illustrated with Portraits.....William B. Curtis, 350
Intercollegiate Athletics. (25th Annual Championship Table of Records.)..... 462
Athletes Representing America in London and Paris.....Portraits of, 579, 580
The Paris Athletic Games. Illustrated from Photos.....George W. Orton, 690
Notes of the Month.....(April) 103, (May) 211, (June) 334 and 452

THE AUTOMOBILE.

Promise of the Automobile in Recreative Life.....Robert Bruce, 81
Notes of the Month.....(July) 437 (September) 703

BASEBALL.

Eastern College Baseball Reviewed.....C. E. Patterson, 581

BICYCLING.

An Easter Bicycle Jaunt in Puerto Rico. Illustrated from Photos by the Author....Leland H. Ives, 45
Bicycle Side-Path Building in 1900.....Robert Bruce, 182
The Road and Its Reward. (A Bicycle Idyll.) Illustrated by G. W. Bonte.....Percival Pollard, 299
The Wheelways of Ontario. (A Trip from Detroit to Montreal.) With Maps.....Robert Bruce, 401
Bicycling Through Shakespeare's Land. (A Glimpse of the English West Country.)....Walter Hale, 490
Illustrated by the Author.
Can a Moving Bicycle Fall? With Diagrams.....George S. Hodgins, 659
Notes of the Month.....(April) 110, (July) 438

BIRDS.

In the Wake of a Bird Lover. Illustrated by J. Oliver Nugent and E. W. Sandys.....H. W. Morrow, 36
The Killdeer Plover and Her Treasures. Illustrated from Photos by the Author..Herbert W. Gleason, 134
North American Game Birds—Their Popular but Incorrect Names.....D. G. Elliot, 611
Illustrated by Louis A. Fuertes.
The Sturdy "Prairie-Chicken." Illustrated by Louis A. Fuertes.....H. S. Canfield, 638
Where Snipe Abound. (Some Practical Suggestions.).....Frederick A. Patridge, 661
Illustrated by E. W. Sandys.

BOATS.

The Boats of the Far East. Illustrated from Photos.....Caspar Whitney, 624
The Practical House-Boat. Illustrated from Photos.....Charles Ledyard Norton, 486

CAMPING.

The Island of Delight. (Camping at the City Gates.).....Leonore M. Lybrand, 501

CANOEING.

The Building of a Birch Canoe. Illustrated by the Author.....Tappan Adney, 185
Up-Stream Canoe Craft. Illustrated by G. W. Bonte.....Albert B. Chandler, 358

CONTENTS OF VOLUME XXXVI.

APRIL, 1900, TO SEPTEMBER, 1900.

ADVENTURE. PAGE

A Winter Ascent of Tahawus. Illustrated from Photos by the Author.....C. Grant La Forge, 69
A Shot-Gun Episode. Illustrated by the Author.....Frederic Remington, 117
The Professor's Scar. Illustrated by James L. Weston.....Paul Leland Haworth, 161
Twenty-Four Hours in the Ropes. (An Ascent of the Matterhorn.).....Charles W. Hodell, 290
Illustrated from Photos.
Man-Hunting in the Pound. (A Personal Experience in Kentucky Border Life.)....John Fox, Jr., 345
Alpine Accidents. (A Lesson in Possible Dangers.) Illustrated from Photos.....Francis Gribble, 603
A Camel Hunt in Arizona.....Langdon Ballinger, 656

ANGLING.

Trailing the Sea-Bat. Illustrated by James L. Weston.....Charles F. Holder, LL.D., 22
The Luck of Shadow Brook. Illustrated by James L. Weston.....L. C. Howe, 62
Salmon Trouts and Charrs. (Their Range and Lures.).....W. C. Harris, 76
An Evened Score. Illustrated by James L. Weston.....E. W. Sandys, 139
The Charr Trouts of American Waters. (Their Range and Lures.).....W. C. Harris, 157
The Laws and Open Seasons of the U. S. A..... 221
Evolution of the Trout and Artificial Fly.....Harry Gove, M.D., 242
Illustrated from Sketches by the Author.
The Water Wolf. (Muscallonge in June.).....C. S. Thompson, 264
A Bit About Bass. Illustrated by James L. Weston.....E. W. Sandys, 268
Practical Fly Casting. With Diagrams by the Author.....John Harrington Keene, 367
Salmon Angling, A Few Remarks on.....Dean Sage, 389
The Phantom Loon of Louis Lake. (A Trouting Interlude.).....Frank H. Risteen, 507
The Leaping Mullet. (A True Fish Story.).....Lynn Roby Meekins, 551
My First Land-Locked Salmon.....Carrie Foote Weeks, 618
How a Trout Broke a Friendship.....Frederic Remington, 651
Notes of the Month.....(May) 219, (June) 332, (July) 448, (August) 573, (September) 701

ATHLETICS.

Athletic Development in France. Illustrated from Photos.....Caspar Whitney, 178
The University Social Problem. (Its Relations to Undergraduate Athletics.—A Symposium of University Opinion.) .....C. M. Flandrau, Harvard, ...Walter Camp, Yale, Charles I. McKeehan, Pennsylvania, ...H. L. White, Cornell, ...James A. Le Roy, Michigan, 190
By-Gone International Athletic Contests. (What Americans Have Accomplished.)
Illustrated with Portraits.....William B. Curtis, 350
Intercollegiate Athletics. (25th Annual Championship Table of Records.)..... 462
Athletes Representing America in London and Paris.....Portraits of, 579, 580
The Paris Athletic Games. Illustrated from Photos.....George W. Orton, 690
Notes of the Month.....(April) 103, (May) 211, (June) 334 and 452

THE AUTOMOBILE.

Promise of the Automobile in Recreative Life.....Robert Bruce, 81
Notes of the Month.....(July) 437 (September) 703

BASEBALL.

Eastern College Baseball Reviewed.....C. E. Patterson, 581

BICYCLING.

An Easter Bicycle Jaunt in Puerto Rico. Illustrated from Photos by the Author....Leland H. Ives, 45
Bicycle Side-Path Building in 1900.....Robert Bruce, 182
The Road and Its Reward. (A Bicycle Idyll.) Illustrated by G. W. Bonte.....Percival Pollard, 299
The Wheelways of Ontario. (A Trip from Detroit to Montreal.) With Maps.....Robert Bruce, 401
Bicycling Through Shakespeare's Land. (A Glimpse of the English West Country.)....Walter Hale, 490
Illustrated by the Author.
Can a Moving Bicycle Fall? With Diagrams.....George S. Hodgins, 659
Notes of the Month.....(April) 110, (July) 438

BIRDS.

In the Wake of a Bird Lover. Illustrated by J. Oliver Nugent and E. W. Sandys.....H. W. Morrow, 36
The Killdeer Plover and Her Treasures. Illustrated from Photos by the Author..Herbert W. Gleason, 134
North American Game Birds—Their Popular but Incorrect Names.....D. G. Elliot, 611
Illustrated by Louis A. Fuertes.
The Sturdy "Prairie-Chicken." Illustrated by Louis A. Fuertes.....H. S. Canfield, 638
Where Snipe Abound. (Some Practical Suggestions.).....Frederick A. Patridge, 661
Illustrated by E. W. Sandys.

BOATS.

The Boats of the Far East. Illustrated from Photos.....Caspar Whitney, 624
The Practical House-Boat. Illustrated from Photos.....Charles Ledyard Norton, 486

CAMPING.

The Island of Delight. (Camping at the City Gates.).....Leonore M. Lybrand, 501

CANOEING.

The Building of a Birch Canoe. Illustrated by the Author.....Tappan Adney, 185
Up-Stream Canoe Craft. Illustrated by G. W. Bonte.....Albert B. Chandler, 358

CONTENTS.

FICTION. PAGE

The Way of a Half-Breed. Illustrated by A. Heming.....W. A. Fraser, 3
The Autobiography of a Bicycle. Illustrated by the Author.....C. F. Lester, 128
His First Race. (The Story of a Half-Mile Running Match.).....Arthur Ruhl, 217
Uncle John's Bear.....Henry Wallace Phillips, 397
When Losing is Winning. (A Story of a Harvard-Yale Boat Race.).....L. C. Howe, 406
Jan the Unrepentant. (A Tale of the Nome of '97.).....Jack London, 474
The Quin-Ahtsk's Quits. (A Tale of a Sacrifice).....Fitzherbert Leather, 589
Illustrated by the Author and G. W. Bonte, and from Photos by E. S. Curtis.

FORESTRY PROTECTION.

Working Plans for the New York Forest Preserve.....Gifford Pinchot, 89

FRONTISPIECES.

"I'm de Bes' Bully Steersman on de Ribber.".....Drawn by Arthur Heming, 2
"Todd Was to Sit on His Horse in Front of the Tepee, and Hold Mine While I Went in."
Drawn by Frederic Remington, 116
Road Cart. In four colors.....Drawn by Edward Penfield, 232
"Hev You Ever Searched for a Dead Man?".....Drawn by E. M. Ashe, 344
A Tibetan Salute.....Drawn by A. Henry Savage Landor, 466
"When I Came to, the Lion Was Standing Over Me, with Her Claws in My Shoulder."
Drawn by James L. Weston, 588

GAMES.

Notable Performances and Records.....(April) 144, (May) 227, (July) 460, (September) 704

THE GUN.

Notes of the Month.....(April) 109

GOLF.

Form in Golf.....Henry Vardon, 86
Vardon and His Ideas.....Charles S. Cox, 88
The Annual Meeting of the U. S. G. Association..... 108
How to Become a Good Golfer.....Henry Vardon, 146
The Why and Wherefore of Golf Rules.....Charles B. Macdonald, 255
The Laying Out and Care of a Golf Course. Illustrated from Photos and by Diagram..Willie Tucker, 286
The Strokes of Golf. Illustrated from Instantaneous Photos.
Putting.....Walter J. Travis, 416
Driving.....Charles B. Macdonald, 419
Approaching.....H. M. Harriman, 421
The Golf of the New School. Illustrated from Photos.....Horace Hutchinson, 478
The Development of Golf in the West. Illustrated from Photos.....H. C. Chatfield-Taylor, 531
National Golf Championship. With Photographs and Table..... 561
Acquiring Form in Golf. (Some Advice to Beginners.)
Illustrated from Photos.....Harold H. Hilton, Amateur Champion of Great Britain, 653
Notes of the Month.....(April) 108, (May) 217, (July) 443

HOUSE-BOATING.

The Practical House-Boat. Illustrated from Photos.....Charles Ledyard Norton, 486

THE HORSE.

The Thoroughbred Racing Outlook.....Arthur F. Bowers, 143
With the Colorado Cow-Puncher on a Round-Up. Illustrated by G. W. Bonte...George Lee Burton, 152
Amateur Driving Clubs.....N. A. Cole, 223
The Country Cart of To-Day. Illustrated in four colors by Edward Penfield.....Caspar Whitney, 233
Early Road Driving, and Its Patrons.....Nathan A. Cole, 277
Illustrated from Valuable Old-Time Paintings and Portraits.
Educating the Polo Pony. Illustrated from Photos.....Owen Wister, 296
The American Derby. (The Lawrence Realization. Its Relation to the American Turf, Its History, and Its Heroes.) Illustrated from Photos.....W. H. Rowe, 370
World's Amateur Trotting Records. (A Table of)..... 439
Racing for the Kata. (The Veil of Love and Friendship.—The Sports of the Tibetans.)
A. Henry Savage Landor, 467
Old Kentucky and the Thoroughbred. Illustrated from Photos.....Robert Wickliffe Woolley, 642
Two-Year-Old Racing in America, and the Two-Year-Olds of 1900.....W. H. Rowe, 671
Illustrated from Photos.
The Light Harness Horse. (Notes of the Month.).....(April) 112, (May) 223
The Thoroughbred. (Notes of the Month.).....(July) 446, (August) 585, (September) 707

HUNTING. (Rifle.)

Hunting Big Horn in the Colorado Desert. Illustrated from Photos.....E. E. Bowles, 53
A Jungle Duel. (A Tiger Fight to the Death.).....A. H. Waddell, 273
A Hand-to-Hand Battle with a Lioness. (The True Story of a Boer Hunter.).....A. S. Jennings, 608

KENNEL.

American and English Dog Shows Contrasted.
Illustrated.....L. P. C. Astley, Judge at the Westminster Kennel Club's 1900 Show, 13
Exaggerated Types of Bull-Dogs.....H. W. Huntington, 198
Delusions About Hydrophobia.....Rollin E. Smith, 620

LAWN TENNIS.

The Progress of Lawn Tennis. Illustrated from Photographs of Players in Action....J. Parmly Paret, 517

MISCELLANEOUS.

A North Carolina 'Possum Hunt. Illustrated by James L. Weston.....F. A. Olds, 32
With the Colorado Cow-Puncher on a Round-Up. Illustrated by G. W. Bonte...George Lee Burton, 152
Spring Outing Clothes for Sportsmen......"How," 228
The Hopi Snake Dance. (The Mystic Ceremony of a Strange People.).....George Wharton James, 302
Illustrated from Copyrighted Photos by the Author, and S. H. Maude.

143837

CONTENTS.

PAGE

The Sporting Spirit, Ancient and Modern ..... George Hibbard, 599
Delusions About Hydrophobia ..... Rollin E. Smith, 620
The Result of Having Efficient Game Wardens. (An Object Lesson for the Farmer.) Sam. E. Connor, 632

MOUNTAIN CLIMBING.

A Winter Ascent of Tahawus. Illustrated from Photos by the Author ..... C. Grant La Forge, 69
Twenty-Four Hours in the Ropes. (An Ascent of the Matterhorn.) ..... Charles W. Hodell, 290
Illustrated from Photos.
The Growth of Grindelwald. (Early Ascents of the Jungfrau. Old Legends of the Glacier Passes.) Illustrated from Ancient Engravings ..... Francis Gribble, 362
Alpine Accidents. (A Lesson in Possible Dangers.) Illustrated from Photos ..... Francis Gribble, 603

THE NATURALIST.

In the Wake of a Bird Lover. Illustrated by J. Oliver Nugent and E. W. Sandys ..... H. W. Morrow, 36
The Hybrid Wolves of Goshen Hole ..... Nilmah Ednoc, 129
In Woodland By-Ways. (A Morning Walk in June.) ..... Lynn Tew Sprague, 252
Illustrated by J. Oliver Nugent.
The Singing Gibbon. (A Vocal Ape of the Philippines.) ..... Arthur Erwin Brown, 266
Illustrated from Photos by David McCadden.
Outgoing Ways. Illustrated by the Author ..... Frederick McCormick, 525
North American Game Birds—Their Popular but Incorrect Names ..... D. G. Elliot, 611
Illustrated by Louis A. Fuertes.
In the Shadow of the Pines. Illustrated by J. Oliver Nugent ..... Henry M. Sayres, 634
The Killdeer Plover and Her Treasures. Illustrated from Photos by the Author .. Herbert W. Gleason, 134

PHOTOGRAPHY.

Photography as Applied by Sportsmen ..... W. E. Carlin, 340
The Sportsman's Photographic Equipment. Illustrated from Photos by the Author .... W. E. Carlin, 542
Notes of the Month ..... (May) 226, (June) 340, (July) 451, (August) 586, (September) 708

PROTECTION. (Game.)

The Result of Having Efficient Game Wardens. (An Object Lesson for the Farmer.) Sam. E. Connor, 632

RACQUETS AND TENNIS.

American and English Racquets and Tennis. Illustrated from Photos ..... Eustace H. Miles, 7

ROWING.

Strokes and Oarsmanship at American Universities ..... Chase Mellen, 375
University Boat Races. With Illustrations 568

SHOOTING. (Shotgun.)

The Sturdy "Prairie-Chicken." Illustrated by Louis A. Fuertes ..... H. S. Canfield, 638
Where Snipe Abound. (Some Practical Suggestions.) ..... Frederick A. Patridge, 661
Illustrated by E. W. Sandys.

SWIMMING.

A Common-Sense Swimming Lesson. Illustrated by Z. H. Warren ..... Duffield Osborne, 522
Surf-Bathing. Illustrated by a Series of Drawings by Z. H. Warren ..... Frederic J. Wells, 547

TRAVEL.

The Filipino in Sport. Illustrated from Photos ..... Edwin Wildman, 122
The Good Bad Lands and Bad Bad Lands. Illustrated from Photos ..... Edwin Hinckley Barbour, 166
In the Jungles of the Ghauts. (Curious Native Hunting Methods.) ..... Herbert Hudson, 394
The Hopi Snake Dance. (The Mystic Ceremony of a Strange People.) ..... George Wharton James, 302
Illustrated from Copyrighted Photos by the Author, and S. H. Maude.
The Growth of Grindelwald. (Early Ascents of the Jungfrau. Old Legends of the Glacier Passes.) Illustrated from Ancient Engravings ..... Francis Gribble, 362
Igorrote Runners of Luzon. Illustrated from Photos by the Author ..... William Dinwiddie, 536
Over Hardanger Vidda. (The Moors of Norway.) ..... Elizabeth Taylor, 664
Illustrated from Photos.

VERSE.

To "Jim." Illustrated by the Author ..... Ernest Seton Thompson, 44
A Golf Lullaby ..... Margaret Barbour, 133
A Legend of the Bloodroot. Illustrated by the Author ..... Ernest Seton Thompson, 176
The Song of Summer ..... J. A. Coll, 310
A New Golf Alphabet. Illustrated by G. W. Bonte ..... Carrie Foote Weeks, 387
Field Flowers ..... Elwyn Irving Hoffman, 623

YACHTING.

Overhauling Yachts. (Hints for Corinthians.) ..... A. J. Kenealy, 59
The "Cunners" of Chesapeake Bay. Illustrated from Photos by Dr. Titus ..... A. J. Kenealy, 148
On the Big Sea Water. (A Yachting Cruise in Georgia Bay.) ..... Stewart Edward White, 258
Illustrated from Photos, and by T. G. White.
Single-Hand Cruising and Single-Hand Craft. (Cruising Types for all Waters.) .... W. P. Stephens, 379
Illustrated with Diagrams, Designs, Sections, Sail-Plans, and Photos.
The New Seventy-Footers. (A Practical Racer-Cruiser Class.) ..... W. E. Robinson, 412
Illustrated with Diagrams, Plans, and Sections.
Corinthian Racing ..... W. J. Henderson, 440
Beating to Windward. (The Simple Art of Boat-Sailing.) ..... A. J. Kenealy, 482
Navigation for Yachtsmen ..... W. J. Henderson, 496
Yachting on the Great Lakes. Illustrated from Photos ..... John B. Berryman, 511
A Centerboard Cup-Defender for 1901 ..... Charles G. Davis, 529
Illustrated with Diagrams, Designs, Sections, and Sail-Plans.
Weather Wrinkles for Yachtsmen ..... A. J. Kenealy, 616
The Boats of the Far East. Illustrated from Photos ..... Caspar Whitney, 624
Notes of the Month ..... (June) 327, (July) 440, (August) 575, (September) 699
The Sportsman's View-Point ..... Caspar Whitney, 91, 199, 311, 423, 553, 675

XUM